

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
UCT-0048

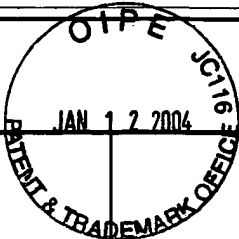
In Re Application: Sotzing, G. A.

Serial No.
10/618,262

Filing Date
07/11/2003

Examiner
NYA

Group Art Unit
1626



POLYMERIC COMPOSITIONS COMPRISING THIENO[3,4-B]THIOPHENE, METHOD OF MAKE AND USE THEREOF

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Dated: January 8, 2004

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Applicant(s): Sotzing, G. A.

Docket No.

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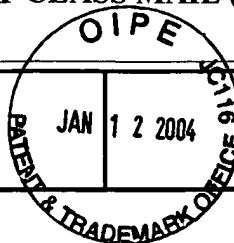
07/11/2003

Examiner

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Group Art Unit

1626



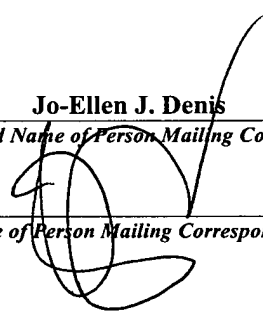
Invention:

POLYMERIC COMPOSITIONS COMPRISING THIENO[3,4-B]THIOPHENE, METHOD OF MAKE AND USE THEREOF

I hereby certify that this Information Disclosure Statement*(Identify type of correspondence)*

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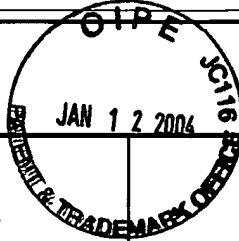
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In Re Application Of: S tzing, G. A.



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Title:-

**POLYMERIC COMPOSITIONS COMPRISING THIENO[3,4-B]THIOPHENE, METHOD OF MAKE AND
USE THEREOF**

Address to:

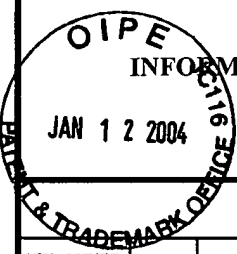
**Assistant Commissioner for Patents
Washington, D.C. 20231**

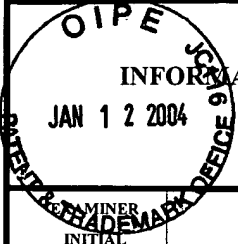
37 CFR 1.97(b)

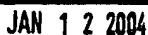
1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

 INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) UCT-0048		Application Number 10/618,262		
				Applicant(s) Sotzing, G. A.				
				Filing Date 07/11/2003		Group Art Unit 1626		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	1	4,910,645	03/20/1990	Jonas et al.	361	525	04/10/1989	
	2	4,959,430	09/25/1990	Jonas et al.	526	257	04/13/1989	
	3	5,109,070	04/28/1992	Epstein et al.	525	189	05/25/1990	
	4	5,300,575	04/05/1994	Jonas et al.	525	186	12/10/1992	
	5	5,691,062	11/25/1997	Shalaby et al.	428	411.1	02/16/1995	
	6	6,194,540 B1	02/27/2001	Ito et al.	528	373	10/19/1999	
	7	6,242,561 B1	06/05/2001	Mohwald et al.	528	377	03/06/1997	
	8	6,294,245 B1	09/25/2001	Roitman et al.	428	212	09/22/1999	
	9	US2002/0011420 A1	01/31/2002	Roitman et al.	205	419	09/11/2001	
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	10	EP 0 999 242 A1	10.05.2000	European				✓
	11	WO 91/06887	16.05.1991	International				✓
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
EXAMINER					DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
	12	A. Bongini, et al., "New n-Dopable Thiophene Based Polymers", Synthetic Metals 101 (1999) pgs. 13-14			
	13	J. Eldo, et al., "New Low Band Gap Polymers: Control of Optical and Electronic Properties in near Infrared Absorbing Pi-Conjugated Polysquaraines", Chemistry Materials, 2002, 14, pgs 410-418			
	14	XIAOMIN GU, "Part I: Syntheses and Characterization of Poly (2-Decylthieno[3,4-b]Thiophene), A Low Bandgap Conducting Polymer Part II: Formation and Trapping of Methoxy (Methoxy-Carbonyl) Ketene" Dissertation, December, 1995, 182 pages, The University of Texas at Arlington			
	15	B. Lee, et al., "Aqueous Phase Polymerization of Thieno[3,4-b] Thiophene", Polymer Preprints 2002, 43(2) pgs 568-569			
	16	K. Lee, et al., "Poly(thieno[3,4-b]thiophene). A New Stable Low Band Gap Conducting Polymer", Macromolecules 2001, 34, pgs 5746-5747			
	17	K. Lee, et al., "Thieno[3,4-b]thiophene as a Novel Low Oxidation Crosslinking Agent", Polymeric Materials: Science and Engineering 2002, 86, pg 195			
	18	K. Lee, et al., "Toward the Use of Poly(Thieno[3,4-b] Thinophene) in Optoelectronic Devices", Polymer Preprints 2002, 43(2), pgs 610-611			
	19	D. C. Loveday, et al., "Synthesis and Characterization of p- and n- Dopable Polymers. Electrochromic Properties of Poly 3-(p-trimethylammoniumphenyl)bithiophene", Synthetic Metals 84 (1997) pgs 245-246			
	20	H. Meng, et al., "A Robust Low Band Gap Processable n-Type Conducting Polymer Based on Poly(isothianaphthene)", Macromolecules 2001, 34, pgs 1810-1816			
	21	C.J. Neef, et al., "Synthesis and Electronic Properties of Poly(2-phenylthieno[3,4-b]thiophene): A New Low Band Gap Polymer", Chemistry Materials 1999, 11, pgs 1957-1958			
	22	M. Pomerantz, et al., "Poly(2-decylthieno[3,4-b]thiophene-4,6-diyl). A New Low Band Gap Conducting Polymer", Macromolecules 2001, 34, pgs 1817-1822			
	23	V. Seshadri, et al., "Ion Transport Behavior of Polymers and Copolymers Containing Thieno[3,4-b]Thiophene", Polymer Preprints 2002, 43(2), pgs 584-585			
EXAMINER			DATE CONSIDERED		
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>					



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S tzing, G. A

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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G. A. Sotzing, et al., "Intrinsically Conducting Polymers and Green Chemistry", Polymer Preprints 2002, 43(2), pgs 904-905

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G. A. Sotzing, et al., "Poly(thieno[3,4-b]thiophene) as a Low Band Gap Conducting Polymer and Electrochromic Material", Polymeric Materials: Science & Engineering 2001, 85, pgs 604-605

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H. Wynberg, et al., "Thieno[3,4-b]Thiophene. The Thyn Thiophthene", Pergamon Press Ltd, 1967, Tetrahedron Letters No. 9, pgs 761-764

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M. Pomerantz, et al., "Poly(2-decylthieno[3.4-b]thiophene). A New Soluble Low-Bandgap Conducting Polymer", *Synthetic Metals* 84 (1997), pgs 243-244

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C. J. Neef, et al., "Synthesis and Electronic Properties of Poly(2-Phenylthieno[3,4-b]Thiophene)", Polymer Preprints 1998, 39(1), pgs 147-148

DATE CONSIDERED

P09B/REV04